

# FOLIO

UNIVERSITY OF ALBERTA  
8 APRIL 1994



## INSIDE

- Nobel laureate Michael Smith packs 'em in
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## Presidential Search Committee completes public consultation Selection process begins

By Folio staff

With the completion of the final public consultation session on 24 March and the passing of the application deadline 31 March, the Presidential Search Committee is now involved in the next stage of its search, namely candidate selection.

To assist candidate selection, the committee has produced what it calls a "Challenges and Opportunities" document. The paper describes the context in which the new president will work and also identifies the qualities and characteristics desirable in a candidate for the position.

Working with a consultant, the committee has begun its initial selection process. This includes a review of applications and credentials and involves conducting preliminary interviews.

The Board of Governors established the Presidential Search Committee in the fall of 1993 after President Paul Davenport announced he had accepted an offer for the presidency at the University of Western Ontario.

Chancellor and Interim Board Chairman Sandy Mactaggart chairs the Presidential Search Committee. He remains optimistic the committee can complete its work by the end of June.

Other members of the committee include Dianne Storey, Elmer Brooker, Penny Reeves, Michael Asch, Steve Hrudey, Juliet McMaster, Marilyn Wood, William Paranchych, Rod Wilson, Terence Filewych, Sasha Krstic, Frank Coughlan, John Hanlon, Fred Greenberg and Bryun Sigfstead. Paul Robison is secretary to the committee.

## Province releases white paper on advanced education

*Proposal to substantially raise fees for international students questioned by many*

By Michael Robb

The provincial government's draft white paper, titled "An Agenda for Change," says institutions need the flexibility to be able to shift resources to and from programs, departments or faculties in order to respond to fiscal restraints, program rationalization and reorganization.

Many postsecondary institutions in the province have inflexible collective agreements which don't allow them to lay off staff for reasons of fiscal stringency and redundancy, the paper says.

The paper, released on 30 March after public consultations were held last year, says the government will consider changing the legislative framework for labour relations contained in institutional legislation.

Association of Academic Staff President Rod Wilson said it's not clear from the document what the government's intentions are. "Thus far, the department and the Minister have been very careful to allow universities and colleges to accomplish the intended aims in their own way. I would hope that would continue. It's clearly a threat," he said, and we've been telling our members that the possibility of unilateral government action is a reason to sit down with the Board to negotiate exigency and redundancy clauses.

The paper calls on institutions to develop centres of program specialization and to minimize duplication of programs. "For example, the department has identified certain areas of programming in the career and technical training sector, such as nursing, apprenticeship and agriculture, for this initiative. Universities will be asked to work together to build on strengths."

"The paper proposes a bold, new vision for the renewal of the province's adult learning system," Advanced Education and Career

Development Minister Jack Ady said last week. "The mission, goals and strategies in this draft white paper are consistent with the outcomes of the first round of public consultations and the budget roundtable that were held last year and the business plan that we announced last month."

Vice-President (Academic) John McDonald said, "We are pleased that the draft white paper recognizes the essential role advanced education will play in the province's future."

"The characterization of the future adult learning system given on page four of the document begins with the statement 'quality is a priority,'" he said. "This is a key element of our University strategic plan *Degrees of Freedom*, and we are delighted to see it in the Minister's draft paper."

Dr Wilson said some of the white paper's proposals for system rationalization and increased access for students are certainly very useful suggestions.



Minister of Advanced Education and Career Development Jack Ady will review responses to the white paper and then release a final statement on government policy.

The draft white paper sets four goals: foster individual responsibility; ensure responsiveness and accountability; enable Albertans to participate in a changing economy; and promote access to affordable learning. The paper suggests 24 strategies to accomplish those goals.

The paper also suggests students should assume a greater share of the costs of their education, and that the department would no longer provide direction to institutions on what the annual tuition fees would be. "Institutions would be required to consult with students in

order to develop a three-year plan for tuition and other fees. These fee levels would be included in the institutions' three-year business plans submitted to the department." Tuition would still be capped, but at higher levels.

Students' Union President Terence Filewych called the proposal "effective deregulation of tuition. Students have always said that if tuition has to rise, the increases

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## Federal government continues to fund Networks of Centres of Excellence

*Disappointment for U of A physicists, however*

By Michael Robb

The federal government will continue to fund 10 Networks of Centres of Excellence. University of Alberta researchers welcomed the news last week.

However, the Canadian Network for Space Research, in which a number of U of A Physics Department faculty, research associates and students were involved, did not receive phase two funding.

Faculty of Medicine Associate Dean (Research) Joel Weiner said they didn't know at this stage just how the money would be allocated, or how much the researchers at the U of A would receive. University medical researchers are involved in the Canadian Bacterial Diseases Network, NeuroScience Network and Protein Engineering Network.

According to Carl Betke, Research Grants Office Director, U of A researchers are involved in all 10 of the Centres that will have their funding renewed. The other seven are: Canadian Genetic Diseases Network; Canadian Institute for Telecommunications Research; Concrete Canada; Inspiraplex—Respiratory Health Network of Centres of Excellence; Institute for Robotics and Intelligent Systems; Mechanical and Chemimechanical Pulps Network; and, Micronet—Microelectronic Devices, Circuits and Systems for Ultra Large Scale Integration.

"This is long-awaited good news," Dr Weiner said. "We know there'll be funding, we're just waiting now for the nitty-gritty."

On the other side of campus, Gordon Rostoker (Physics) expressed his profound disappointment that the Network for Space Research would no longer receive funding. The U of A was one of several nodes of the Centre, which was administratively based at The University of Calgary. "They had many more people involved than us," he said.

He estimated the funding for the first phase of the space research network brought about \$2 million to the U of A over the last four years. "The federal government seems to want to fund only 'quick-buck' research," he said, pointing out that the relatively short funding period is not commensurate with long learning curves.

People are going to be extremely reluctant to commit the necessary time and effort to do research if they don't receive the necessary long-term support, Dr Rostoker said.

Network funding has a big impact on the U of A, Dr Weiner said, pointing out that the Protein Engineering Network funding has allowed researchers to support postdoctoral fellows and graduate students and to purchase state-of-the-art equipment. People supported by the network have developed a computer software program

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Premier Ralph Klein displays the newest addition to his wardrobe. Scott Karaim, left, and Clayton Pottinger, along with other members of the CIAU champion Golden Bears, visited the legislature late last month, presented the gift to the Premier and were given a warm welcome. Last night, the Bears, who won the championship for the first time in their long history, were honoured on campus.

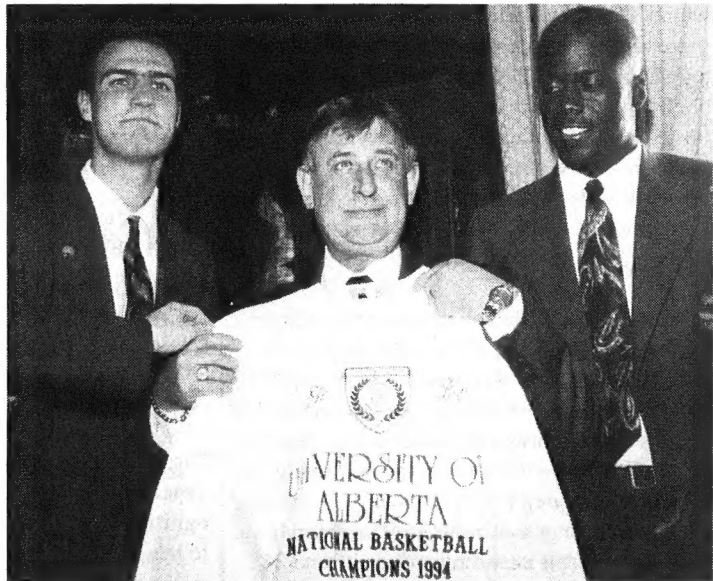


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# Merger of Canadian Studies, Political Science passes first checkpoint

By Michael Robb

The Faculty of Arts Council has approved a proposal to merge the Canadian Studies Program with the Department of Political Science.

The proposal is now expected to work its way through the University's regular approval process. If approved, the Canadian Studies Program will become a division within the department.

The people who would be affected by the merger believe the proposal has academic credibility and integrity and will enhance the teaching and research activities in both units. Supporters say the interdisciplinary nature of Canadian Studies will enhance students' understanding of Canadian politics, and the strong Canadian politics expertise in Political Science will enhance the Canadian Studies Program.

"The merger is really an administrative merger and not a merger of programs," said Canadian Studies Professor Susan Jackel. Political Science Chair Tom Keating believes the merger provides a more secure administrative structure for the Canadian Studies Program.

"We've always valued the balance that we've achieved as an interdisciplinary program that spans the social sciences, humanities and fine arts," Dr Jackel said.

"The merger also provides an opportunity for furthering interdisciplinary work in the Canadian Studies area - in this department and in others," Dr Keating added.

Dr Jackel lauded Acting Dean of Arts Margaret Van de Pitte and Acting Associate Dean (Social Sciences and Interdisciplinary Studies) David Hall for being very supportive, taking a hands-off approach and leaving the units to reach their own agreements.

Dr Jackel reassured longtime supporters who have expressed concern that the merger will mean loss of identity and autonomy for Canadian Studies. "There's good news, too. The curriculum is expanding, and we hope to launch a new series of research colloquia. The intellectual integrity of the program isn't compromised."

Dr Keating said the merger also frees up more resources for teaching and research. "We want to ensure that the Program isn't overwhelmed by the department. I don't think that will happen."

Dr Jackel is concerned, however, about the Program's ability to maintain its course on the Canadian north. Canadian Studies has contributed to the establishment of a new position in northern ecology, along with the Faculty of Agriculture and Forestry and the Canadian Circumpolar Institute. "Current budgetary constraints are requiring us to move more slowly on this than we would like."

The Canadian Studies Program has 2.10 FTE academic staff and .50 FTE nonacademic staff; the Political Science Department has 20 FTE aca-

demic staff and 4.67 FTE nonacademic staff. Political Science offers a BA, MA and PhD. Canadian Studies offers a BA (Canadian Studies)(AR 13). Both offer an Honors BA.

If the merger is approved, the existing course of studies leading to the BA (Canadian Studies) will remain in place, and Canadian Studies courses will continue to be listed in the Calendar under a separate heading. A committee is developing a plan to redesign the AR 13 into a major in the AR 20, to take effect 1 July 1995. The AR 13 would be phased out over several years.

There has always been a strong relationship between the department and Program, Dr Keating pointed out. A number of Political Science professors supported the Program's creation and over the years taught and co-taught Canadian Studies courses. Canadian Studies graduates have gone on to do graduate work in the Department of Political Science.

"A lot of us have recognized the distinctive contribution the Program makes," Dr Keating said.

## White paper

Continued from page 1

should be moderate and predictable. This change means that Boards of Governors could jack up tuition to 33 percent overnight. We could see our tuition rise to \$5,000 very quickly - even next year."

"We support the raising of the cap on tuition along with an improved financial assistance program as an effective way to ensure continued accessibility for Albertans to quality educational programs," Dr McDonald said.

Dr Wilson said, "We're clearly reducing access to universities by increasing the costs. Socially, that's not desirable." SU Vice-President (External) Karen Wichuk agreed. "Because of these financial barriers, it will be much more difficult for the average Albertan to attend university."

There's a potential catch 22, Dr Wilson pointed out. "Tuition increases, at some point, will reduce the number of students coming to universities. Under the government's system, however, the universities will be penalized if they reduce the numbers of students."

The white paper proposes international students pay "cost-recovery fees". Graduate Students' Association President Frank Coughlan said that proposal is ill-conceived and a great threat to the integrity of university teaching and research.

"The proposal would irreparably damage the international reputation of the University of Alberta," added GSA President-elect Kimberley Krushell. The GSA estimates the proposal would increase tuition fees for international students by about 300 percent.

That proposal, said Dr McDonald, is likely to be a cause of serious concern on the part of faculty, graduate students and the international community. International students already pay 100 percent more in tuition than Alberta students, he said. "At a time when Alberta is ready to access the world, we believe that this move could send the wrong message."

## Access through innovation: round two

Now that the provincial government has released its draft white paper outlining its agenda for changing the province's adult education system, what happens next?

A second round of consultation will be held with more than 300 stakeholders, including both those who teach and train and those who take courses. Harry Schaefer, TransAlta Utilities Board chair who also served on the U of A's strategic planning task force, will serve as the government's moderator for the second round of public consultation.

The government recognizes that universities may still want to encourage international students to come here and may remit fees for some of those students, Dr Wilson pointed out. "But that means you're into bookkeeping nonsense, charging students \$14,000 and giving them a grant of \$14,000 or whatever. That's just an example of the increased cost of doing bureaucratic business that I would have thought Ralph [Klein] was trying to get away from."

Other proposals include:

- Rationalizing student financial support;
- Establishing an adult learning forum;
- Improving transfer arrangements;
- Coordinating application systems;
- Establishing an accountability framework;
- Removing barriers to responsiveness in programming;
- Focusing on programs that address the needs of the economy;
- Promoting more employer-based training;
- Clarifying roles of publicly funded institutions;
- Establishing an access fund;
- Implementing a new funding formula;
- Developing standards;
- Expanding the use of educational technologies; and
- Improving information and counselling services.

Ady said, "We are getting closer to defining a new future for adult learning and I am looking forward to the debate during round two of our public consultation."

Dr Wilson said the government's proposed system is predicated on being able to predict growth areas in the economy. The government suggests resources would be shifted quickly within institutions to respond to those needs, and programs would subsequently be developed. "To the extent you can do that, I think it's wonderful, but this government is widely known for its failure to do so. Traditionally, the University has done a better job of muddling through ... and has served Albertans fairly well."

# Academic Support Centre can help professors save time

Also of assistance to students who have learning difficulties

By Michael Robb

How many times have students dropped in to professors' offices to say they're having difficulties learning the course material? Something's just not right. Chances are, their concerns are going to be multidimensional, complex and often vaguely stated.

"A lot of students' concerns at this time of year cannot be tackled in a half an hour or an hour," says Learning Resources Program Head Karen Kovach. "It takes time, so one of the things professors can do is to refer those students to us."

"We can save professors time. Basically, what we can do is address learning concerns. We don't do course content ... that's very much in the professors' area."

Sometimes students will ask professors, "How do I learn all this?" Or, "How do I decide what's important in your course?" And often students have fairly fuzzy ideas about what their learning problems are. That's when the Learning Resources Program can help, Kovach says.

"Learning is very closely tied to self-concept and self-esteem issues, how students feel about themselves, and what grades reflect about themselves," she explains. Dealing with those issues takes time and can't be done exclusively in groups or workshops.

Professors who are good listeners can get at those personal issues, but the issue is, How many students can a professor handle if this keeps happening over and over? And there's a second question, Is learning the professor's area of expertise? "That doesn't mean a professor can't provide some caring and empathy. But how do you attack the problem?"

Sometimes students will be told that if they just work harder, the problems will be solved. "But if you're studying and learning in error, you're not really correcting the problem." More of the same is not necessarily better, Kovach says, citing the case of a student who received 34 percent on a first exam. The professor let the student write it again. The student put in extra study time and got 38 percent.

The key issue is how you acquire content. The Learning Resources Program offers services that teach: time management; note-taking and listening skills; reading strategies; memorization strategies; memory strategies; study skills; strategies to deal with examination stress; and examination writing techniques.

## Rutherford Award recipients chosen

Michael Brett (Electrical Engineering), Mike Gibbins (Accounting and Management Information Systems), Roger Morton (Geology), Bruce Wilkinson (Economics) and Linda Woodbridge (English) have been selected to receive the 1994 Rutherford Award for Excellence in Undergraduate Teaching.

"This award," they were told by Keith Bagnall, Chair of the GFC Undergraduate Teaching Awards Committee, "provides recognition of your contributions over the years to teaching excellence by colleagues and especially by students, past and present."

This year's Rutherford Award recipients will be honoured at the Faculty Club 4 May and also during Spring Convocation in June. *Folio* will profile each recipient later this month.

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OFFICE OF PUBLIC AFFAIRS,  
400 ATHABASCA HALL  
UNIVERSITY OF ALBERTA, EDMONTON,  
ALBERTA T6G 2E8  
TEL: (403) 492-2325 FAX: 492-2997  
PROFS - ZZOPA

All enquiries and correspondence should be directed to:  
RON THOMAS: EDITOR  
MICHAEL ROBB: ASSISTANT EDITOR

#### CONTRIBUTORS:

Judy Goldsand  
Sandra Halme  
Tony Myers  
Janet Resta  
Elsa Roehr

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# Education faculty, students told to lobby GFC members

## Learn-In held to protest proposals in Quality First

By Michael Robb

Get out there and start politicking. That was one of the pieces of advice given to Faculty of Education students and staff at a Learn-In conducted 28 March.

Association of Academic Staff President Rod Wilson told a packed Education North lounge that, "You need to get out there and start politicking with the people from Arts, Science, and across the campus, students and staff. Make sure that at least some of them are on your side."

Closing and downsizing Faculties or departments must be based on solid academic criteria, Dr Wilson said. That's the theory. But he reminded those who gathered to speak against proposals contained in *Quality First* that GFC is a political body.

Dr Wilson said the staff association has one vote at GFC. "It's the 150 other people, more or less, the administrators, students and your colleagues in the other Faculties, who are going to be making that decision. But one cannot assume rationality, or a benign neutrality at GFC," he said.

Education Dean Harvey Zingle said some people at the University say the Faculty of Education is not interested in change. "That is not true. We're constantly interested in making changes, but we want those changes to be based on information and data."

He said the Faculty has asked nearly 1,000 of its BEd graduates, superintendents in the province, school principals and graduate students what programs are good and where improvements are needed. "We want to make changes based on that kind of information and on what scholars around the world tell us about good teacher education," and not on opinions of those who aren't in the business of education.

Arts student Peter Cahill said rather than simply saying the proposals contained in the restructuring document can't be achieved, people should be obligated to say where possible improvements can be made. "Many students and faculty in the Faculty of Education do sense a need for change," he said, pointing out that the two-plus-two or four-plus-one teacher-education models have worked at other universities.

Education Students' Association Vice-President (Internal) Bruce Tyrrell said the proposals for the Faculty in *Quality First* should be defeated, but the Faculty must continue to take a critical look at its program. "Principals, superintendents and former graduates have told the Faculty that the teacher-education program must have more practical applications, and although there have been some changes, there hasn't been enough."

Educational Administration graduate student Kathy Webb said graduate programs are targeted. "What is the message when a University says we need fewer graduate students in education? This policy is about not valuing education."

In a message read to the assembly, Liberal MLA Don Massey said the arguments against *Quality First* proposals should be made at GFC. Proposed changes are being made on unexamined assumptions, he wrote. "It's a lack of understanding of the basic teacher-education model that has allowed the administrators to make the decision they have."

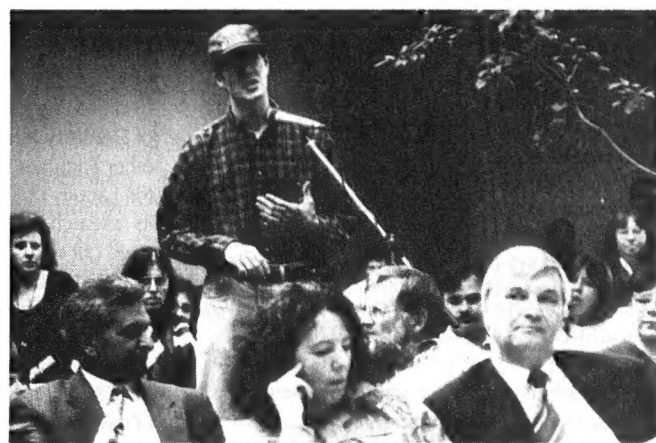
Elementary Education Professor Ruth Hayden, who is also a school board trustee, urged the crowd to write letters and send them to people in positions of power.

Faculty of Dentistry Associate Dean Henry Dick made a number of points about the proposal to close the Faculty of Dentistry:

- The Faculty employs all its graduates;
- The comparison in the document comparing costs of educating Dentistry and Medicine students is unfair, since it does not take into account the costs of hospitals;
- The school makes significant dental health contributions to the community;
- The University has come to define itself so narrowly that there isn't room for Faculties that do things a little differently; and
- Application of the concept of selectivity ensures that smaller Faculties, already vulnerable, become even more vulnerable.

Alberta Teachers' Association President Bauni MacKay, speaking more generally, said Alberta is decimating its public services. We appear to have lost our collective conscience.

After the speeches, the procession marched across campus to University Hall, where it presented a resolution to Vice-President (Academic) John McDonald. The resolution calls on the administration to withdraw and reconsider proposals one and two.



Arts student Peter Cahill makes his points at the Learn-In. It's not enough to simply criticize proposals, he said.

## Nobel laureate a huge draw

### Science is often a series of accidents, says Michael Smith

By Michael Robb

In the early '70s, a group of scientists who were attending a conference in Banff found themselves at the top of the Olympic chair at Lake Louise. Among them was University of British Columbia biochemist Michael Smith.

The group, which also included Vern Paetkau, who now chairs the University of Alberta's Department of Biochemistry, gazed upon the lake below, the massive bulk of Mount Temple and the unmatched beauty of the Victoria Glacier. "No one said anything," recalled Dr Paetkau.

"We just leaned on our poles and breathed in the scenery, and then Mike Smith said, 'Good ol' world'."

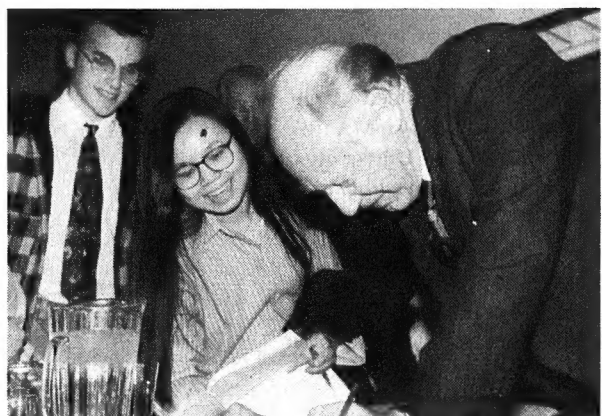
"I think that pretty much captures his attitude," Dr Paetkau explained to a large audience - many of whom had to sit in the aisles and at the Nobel laureate's feet to hear him deliver his lecture, 29 March, in Bernard Snell Hall.

Although his talk was discipline-specific and technical in nature, Dr Smith nevertheless revealed a warm and personal side, punctuating his remarks with self-deprecating humour and anecdotes.

In his more general introductory remarks, the UBC professor, who was awarded the Nobel Prize for Chemistry last year, pointed out, "Research is something which evolves. It's not planned out in advance."

"One advance leads to another advance, and that may not be related in any way to the direction in which you first started out. We didn't start out to develop site-directed mutagenesis [a method which enables scientists to reprogram the genetic code], we set out to develop a series of tools which in turn changed over time."

"Scientific discoveries are a series of accidents and you've got to be flexible and versatile in your approach. And tied in with all that is the fact that this always involves more than one person."



Nobel Prize winner Michael Smith signs autographs now wherever he goes. His U of A stop was no exception.

Dr Paetkau said Dr Smith has done as much as anyone to strengthen the research endeavour in Canada and to encourage others to embrace it warmly. "He is a unifier, who has brought chemistry to biology, molecular genetics to protein structural studies, and the highest standards of humanity to the scientific endeavour."

Dr Smith was here to deliver the Biochemistry Department's prestigious John S Colter Lecture in Biochemistry. He presented a version of the same lecture he gave when he was awarded the Nobel Prize in Stockholm. The title of the talk was "Synthetic DNA and Biology."

Dr Smith was awarded the Nobel for his discovery of the technique called site-directed mutagenesis. The method, which has hastened the development of protein engineering, is used by scientists in laboratories throughout the world as they seek to understand how cancer and virus genes work.

"Site-directed mutagenesis has without doubt revolutionized basic research and entirely changed researchers' ways of performing their experiments," the Royal Swedish Academy of Sciences stated in making the announcement late last year.

Dr Smith paid tribute to a fellow biochemist, saying that Dr Colter created a department at the University of Alberta that rivals any other in the world. "This University, province and Canada owe him an enormous debt for the example he set."

## Manoly Lupul asks

### Where are the academics' voices during this attack on cultural diversity?

By Folio staff

There are people in Canadian society who would like to see institutions like the Canadian Institute for Ukrainian Studies disappear, says Professor Emeritus Manoly Lupul.

Dr Lupul, who delivered the Shevchenko Lecture 1994, 24 March, said while the Institute is in no immediate danger, "it is also clear that there are individuals in our society who would not only be pleased to see it disappear but are busy spreading views that could eventually reduce it and similar institutions to mere shadows of their former selves."

The former director of the Institute, in an address titled "Multiculturalism, Ethnic Studies and the Present Economic Crisis in Alberta," said the social philosophy espoused by so-called Reformers has saturated Canada's political atmosphere and, as a result, extreme right-wing values are now driving the political agendas of most governments in Canada - very notably Alberta's.

"Their significance for ethnic Canadians, and especially Ukrainian Canadians, is that the political agendas of the reactionaries is inimical to the multicultural agenda at precisely its most vulnerable point, namely, the public validation of ethnicity through state encouragement and support," he said.

Ethnics are on a collision course with those who reject the notion of cultural diversity.

Canada's ethnocultural groups pressed for multicultural policies and programs at all levels of government and in all public institutions and public agencies, and for various reasons the Ukrainian Canadians were remarkably successful, Dr Lupul said.

"Through the state, each became part of Canada's larger or mainstream society and gave multiculturalism as a public policy and institutionalized presence."

Dr Lupul said that same state is held in great disrepute by Preston Manning and Reform Party members. "The ideological roots of today's most trenchant opponents of multiculturalism run deep, and withdrawal of state support for multiculturalism is part of a well worked-out position for a severely limited role for government in all areas of human life."

But Manning and his reactionaries need to be reminded that the interventionist state is part of an honourable tradition in Canada. What is puzzling, he said, is the silence of people within the community of intellectuals. "This was not always the case. One has only to read *The Government Generation: Canadian Intellectuals and the State 1900-1945* by Doug Owram (History) to see how important were socially concerned university professors, philanthropists, business reformers, politicians, senior bureaucrats and clergy in expanding the whole range of government social services - old age pensions, unemployment insurance, family allowances, federally-assisted housing and other social security programs - that are now also part of our very identity as Canadians."

"What is absent in today's preoccupation with debts and deficits, and what our intellectuals should be addressing, is the fundamental issue of social justice that is at stake in the measures being proposed or actually taken by neoconservatives in governments."



## Q & A on Dentistry proposal

**Editor's note:** In *Quality First*, the President and the Vice-Presidents presented proposals to restructure the University of Alberta to support the vision and principles of *Degrees of Freedom*, the University's strategic plan. The proposal to close the Faculty of Dentistry after the 1997-98 academic year is prominent in *Quality First*. Since the publication of *Quality First*, several questions have been raised about the Dentistry proposal. John McDonald, Vice-President (Academic), responds to some of these questions on behalf of the administration.

**Question:** Why is the administration proposing to close the Faculty of Dentistry?

**Dr McDonald:** The University is committed to achieving excellence in teaching and research. We must look at how the University can best meet this commitment in the face of continued enrollment pressures and major budget cuts. Our strategic plan, *Degrees of Freedom*, calls for selectivity and encourages us to look for partnerships with other institutions rather than to attempt to cover all disciplines. There are currently ten dental schools in Canada, four of them in the West. Several schools have already had to reduce their quotas as a result of declining demand. Thus there is capacity to handle Alberta students at other universities, provided that the necessary funding is made available. The cost of opening unused spaces is much less than that needed to operate separate schools. The quota in our dentistry program was recently reduced from 50 to 30 spaces, both at the request of the province and in response to a reduction in the need for dentists in Alberta. Because of high fixed costs associated with the operation of the program, the quota reduction has substantially increased the cost of training the remaining students.

**Question:** Isn't there a strong demand for dental hygienists?

**Dr McDonald:** Dental hygienists are in great demand at this time, and we believe that the diploma program in dental hygiene should be continued. It will be necessary to find a suitable home for the program and we are investigating possibilities in this regard. One possible option is at NAIT where there is already a dental assistant program in place. Since our strategic plan commits us to the principles of selectivity and partnership, we believe that a diploma program in dental hygiene, however valuable, is not as central to our role as are the degree programs which we offer.

**Question:** Is closing the Faculty the best way to save money? Why not simply cut the Faculty's budget and keep it open?

**Dr McDonald:** Simply cutting the budget will not resolve the issue. The capital needs of the Faculty are significant, and the operating costs per student are among the highest on campus. These costs are not accounted for by research or special-

ized training at the graduate level since the Faculty of Dentistry is not as active in these areas as are the other Faculties in the University. It is unlikely that the Faculty of Dentistry would be able to improve its research and graduate programs if the budget were cut significantly, and it would have to be cut sharply to achieve the cost reduction that is needed.

**Question:** Has the University explored other financing options, such as sponsorship from the Alberta Dental Association?

**Dr McDonald:** The University has been open to representations from all those concerned, including the ADA. To date, the ADA has made no such proposal to the University.

**Question:** Some say that the Faculty of Dentistry does not have a good enough research record. Is that why you are cutting the Faculty?

**Dr McDonald:** The proposal to close the Faculty is not based primarily on the research record. A variety of factors have been taken into account. However, the proposal does recognize that this Faculty's research performance is not consistent with the status of a research leader in the field.

**Question:** Is research more important than teaching?

**Dr McDonald:** The University of Alberta has a dual mandate: the discovery of knowledge through research and the dissemination of knowledge through teaching. The challenge is to balance these essential aspects. We believe excellent learning experiences at universities require the interaction of teaching and research. As the practice of dentistry evolves, the need to create new knowledge through research grows in importance.

**Question:** If we don't educate dentists in Alberta, where will our dentists come from and where will students study to become dentists?

**Dr McDonald:** We are currently negotiating with other Canadian universities for the same kind of reciprocal arrangements we now have in veterinary medicine. We expect that our future dentists will continue to be mostly Albertans who have been trained out-of-province.

**Question:** How are our students going to be able to afford an out-of-province education?

**Dr McDonald:** In the existing inter-provincial agreements, the tuition for out-of-province students is at the same rate as for in-province students. This is the kind of tuition agreement we anticipate negotiating for our dentistry students who become students at universities in other provinces.

**Question:** What is going to happen to all the clinic patients?

**Dr McDonald:** In other cities which do not have dental schools, government and/or the dental profession provide very adequate clinical services for clients and we trust the same can happen here.

## Networks

*continued from page 1*

used for sequencing analysis of proteins. That program is now available to everyone, he said.

In Ottawa, the president of the Association of Universities and Colleges of Canada was pleased with the federal government's decision to respect the integrity of the peer review process. "Peer review of research proposals is the bedrock of innovative and successful research," Claude Lajeunesse said.

It's certainly a vote of confidence in the quality of research going on, Dr Weiner said.

"Reinvesting \$197 million in the Networks of Centres of Excellence Program illustrates a tangible vote of confidence in this uniquely Canadian university research support program," Lajeunesse said.

"The participating university researchers must demonstrate that they are conducting leading-edge research to meet international standards of excellence, and that they are accelerating the transfer and diffusion of research results by establishing working relationships with other Canadian researchers, institutions, the private sector and other potential users," said Jon Gerrard, Secretary of State for Science, Research and Development.

The initial 15 networks have involved more than 800 top researchers, 1,400 graduate students, 500 postdoctoral fellows, 35 universities and 30 federal and provincial departments. The program is administered by the Natural Sciences and Engineering Research Council, the Medical Research Council and the Social Sciences and Humanities Research Council. All but one of the 15 networks reapplied for phase two funding.

Gerrard also announced that \$48 million of the total phase two funding would be available for a limited number of additional networks in priority areas: trade; competitiveness and sustainability; health research; technology-based learning; advanced technologies (materials and software engineering); and environment. Details of the new competition are not available yet.

For the year ended 31 March 1993, the University received \$310,000 from the MRC Networks of Centres of Excellence, \$1,775,000 from the NSERC Networks of Centres of Excellence and \$71,000 from the SSHRC Networks of Centres of Excellence.

## Conference explores ancient rulers, subjects

### Event honours Fishwick's 65th birthday

*By Folio staff*

Duncan Fishwick is turning 65. Others might get a cake for their birthdays. But the University is honouring the Classics professor with a two-day conference that is attracting some of the most famous names in Ancient History.

The title is "Subject and Ruler: the Cult of the Ruling Power in Classical Antiquity." Speakers are coming from as far away as France, Germany, the United Kingdom and the United States to deliver talks in English, French and German. Canadian speakers include three Quebec francophones.

All the talks will explore the theme of the ruler cult in the ancient world. The speakers will delve into the dynamics between the Greek and Roman imperial cults and their subjects in Judea, Spain and Islam. Some talks will focus on individual rulers such as Alexander the Great and Caligula.

All conference sessions will be held on level one of the Humanities Centre. The conference begins with a reception for sponsors and speakers on 13 April. Two exhibitions provide visual interest: one of rare books on classical subjects, including 16th century editions by Greek and Latin authors, the other of

coins illustrating aspects of the ruler cults in antiquity.

More than 100 people are registered, but spaces are still available at \$55 regular rate, \$25 for students. The price includes a reception at the Provincial Museum on 14 April, followed by a museum tour. The conference ends with a banquet on 15 April.

The Social Sciences and Humanities Research Council of Canada (SSHRC) is the principal conference sponsor. The conference is also widely supported by the University of Alberta through the General Faculties Council Conference Fund Committee (the next largest sponsor); the Faculties of Arts and Graduate Studies and Research; Faculté Saint-Jean; and the Departments of Classics, Religious Studies and History.

Organizers are grateful for additional outside sponsorship from Athabasca University; Augustana University; The University of Calgary, Department of Classics; Concordia College; and the Canadian Mediterranean Institute, Edmonton Chapter.

For more information, call Alastair Small, Department of Classics, at 492-3295.

## George Cumming devoted his career to the Physics Department

George Leslie Cumming was born in 1930 at Saskatoon. He obtained a BA degree in 1951 and an MA degree in 1953 at the University of Saskatchewan, and a PhD in Geophysics at the University of Toronto in 1955 under the direction of J Tuzo Wilson. There he married Eva, his lifelong companion and mother of their three children, Stephen, Paul and Anne.



George Cumming

After four years as senior geophysicist with the Gulf Oil Co and the British American Oil Co, Dr Cumming came to the University of Alberta in 1959 as an assistant professor in the Department of Physics. He was appointed associate professor in 1962 and professor of physics in 1969. In the years following, he served as the Director of the Institute of Earth and Planetary Physics (1981 to 1985) and as Chair of the Physics Department (1984 to 1988). Throughout his career, Dr Cumming held visiting appointments and fellowships at universities and research centres in Oxford, Hamburg, Canberra, Zurich, Oslo, Toronto and Cambridge.

In Professor Cumming's 35 years with the University of Alberta, he published almost 100 papers on a range of topics, including seismology, half life measurements of radioactive nuclides, detailed systematics of lead isotopes in rocks and minerals, and environmental contamination studies. His work was truly international in scope and he collaborated with and enjoyed the respect of scientists from many countries. His research using seismic refraction and reflection methods over western Canada contributed substantially to our understanding of the nature of the crustal lithosphere.

The majority of Professor Cumming's research publications deal with the detailed chronology of ore deposits and related host and source rocks. In particular, he studied the variation in trace lead isotope ratios in sulfide ore deposits which are very difficult to date by more conventional techniques. Thus, un-

derstanding multiple stage evolution of minerals and rocks requires very high precision isotope ratios. Professor Cumming spent much of his career constantly improving the methodology of the measuring techniques to achieve this precision.

Scientists from many laboratories around the world have visited the mass spectrometry laboratory to learn the analytical techniques developed there,

because only a few laboratories in the world are capable of producing such high precision data. These collaborations, together with a career-long association with the Department of Geology at the University of Alberta, have resulted in a stream of graduate students who have learned the analytical mass spectrometric techniques in Professor Cumming's laboratory.

Professor Cumming devoted his career to the Department of Physics and saw it triple in size over the years. He enjoyed the camaraderie of his friends, the love of his family, and the respect of his colleagues.

In addition to his career, Professor Cumming had a wide range of interests. Perhaps his most favoured pastimes were music (he was an accomplished piano and guitar player) and woodworking, at which he was a fine craftsman. He loved, and was very proud of his family. He was a good husband, loving father and an inspiration to his children and everyone around him but most of all, he was a good and kind human being. We have lost a good friend.

The family has set up a memorial fund in Professor Cumming's name. Plans are to have the funds support graduate studies in the area of geochronology and/or mass spectrometry in the Department of Physics. If anyone would like to make a donation, please make all cheques payable to the GL Cumming Memorial Fund and forward them to the Department of Physics, 412 Avadh Bhatia Physics Laboratory.



# An analysis of *Quality First*

By Lorraine Wilgosh, Professor of Educational Psychology

Let's take a close look at some of the proposals in *Quality First*. How well does the document uphold the principles and strategic initiatives of *Degrees of Freedom* (DOF)? Why are proposals being pushed forward by a senior administration at the end of its work under the current president, at a time when the leadership of the Board of Governors is also in transition?

**Quality First states:** "We are painfully aware that irreversible changes to our University are being considered on the following pages" (p. ii).

*Comment: The strategies taken at U of A differ from those at the other universities in our province which violates DOF Principle 7: Partnership, "... We will seek partnerships throughout Alberta... cooperation with other educational institutions ..." (p. 3, DOF). For example, what are the implications for other Dental Faculties in Western Canada of U of A's intention to fund "up to 30 positions" out of province? Has this been discussed with the other universities?*

**Quality First states:** "The range of courses and programs for students at the University of Alberta will be diminished" (p. 3).

Loss of quality programs will limit student access, violating **Principle 6: Accessibility and Cooperation:** "We are committed to providing access for students to programs of high quality in a supportive, student-centred learning environment" (p. 3, DOF).

**Quality First proposes:** "... that the Office of the Vice-President (Student and Academic Services) be closed as of July 1, 1994" (p. 7).

**This violates Principle 9: Campus Community:** "We recognize and value the role each individual member of the university community plays in meeting our mission ..." (p. 4, DOF). Removal of the Vice-President (Student Services) is a direct statement that students are not a first priority.

**From Quality First: Closure of the Faculty of Dentistry:** "The Faculty of Dentistry is not seen as a national leader in research or graduate studies ... We believe that this proposal is fully consistent with the Principles of Excellence and Selectivity, and the Vision of national leadership..." (p. 10).

*This forces students who wish to study dentistry to incur far greater costs of studying at a university at a yet unknown location (violating Principle 6: Accessibility). It violates Prin-*

**ciple 1 - Excellence:** "In all our endeavours we seek to achieve excellence as evaluated by national and international standards" (p. 2, DOF), in that there is no evidence that such standards have been objectively applied to the Faculty of Dentistry and the U of A has no control over quality of programs in other provinces, preventing any "national leadership" from U of A. As well, it violates **Principle 5: Accountability** ("We will measure our performance..." [p. 3, DOF]); no data are presented giving any evidence that performance of the Faculty has been measured objectively.

**Quality First proposes: Reorganization of the Faculty of Education:** "The Faculty of Education is currently considering changing the B.Ed. program entry point to year three, as proposed in Recommendation 6 ..." (p. 12).

*This change is being imposed by the University central administration, whose mandate does not include program revision, in violation of Principle 2: Pursuit of Truth ("...we preserve an environment of open enquiry... in which our faculty and students may speak their minds in pursuit of their scholarly activities" [p. 3, DOF]). Where is the fair and*

reasonable opportunity for faculty and students to speak? What about Principle 1 (Excellence)? Where are the data demonstrating any evaluation by national and international standards? The Faculty of Education is being given "No Degrees of Freedom."

**Quality First suggests:** "It may be possible to offer some of the [Education] professional development master's degree programs on a cost recovery basis" (p. 12).

*The notion of "cost recovery" specific to any or all professional faculties is a potentially discriminatory tuition policy which could unfairly affect students' graduate program choices. What principle applies here?*

**Quality First's Proposal 2.4: reduction to the [Education] operating budget of five million dollars (p. 13).**

*Let us not even pretend there are principles involved in cuts of such magnitude, or that Quality First "is not a response to the 11 percent cut in our grant..." (p. i, QF).*

Does the central administration use only those "Degrees of Freedom" that suit its own purposes, rather than those of the University community of scholars?

## ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

8 April, 2 pm

Michael Gray, "Origins and Evolution of Mitochondrial DNA." Presented by Biochemistry. 227 Medical Sciences Building.

11 April, 9:45 am

Janet D Sparks, Department of Pathology and Laboratory Medicine, University of Rochester, "The JDF Diabetic Rat - A Model for Lipoprotein Metabolism." Host: Lipid and Lipoprotein Research Group. 207 Heritage Medical Research Centre.

12 April, 11 am

Charles E Sparks, Department of Pathology and Laboratory Medicine, University of Rochester, "Regulation of Apolipoprotein B Metabolism." Host: Lipid and Lipoprotein Research Group. 207 Heritage Medical Research Centre.

12 April, 4 pm

James A Mullin, investigator, The Lankenau Medical Research Center, Wynnewood, Pennsylvania, "Regulation of Tight Junction Permeability by Protein Kinase C and Tumor Necrosis Factor." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

15 April, 3:30 pm

Linda Bonen, Department of Biology, University of Ottawa, "Transplating in Mitochondria." Presented by Genetics. M-149 Biological Sciences Building.

## APPLIED MATHEMATICS INSTITUTE, THEORETICAL PHYSICS INSTITUTE, AND VICE-PRESIDENT (RESEARCH)

13 April, 2 pm

Valery Frolov, Killam Memorial Professor, "Life After Death (Black Hole Paradigm)." P126 Avadh Bhatia Physics Laboratory.

## BIOETHICS

12 April, 12:30 pm

Donna Wilson, project director, Faculty of Nursing, with members of the ECHO group, "ECHO (Ethics and the Crisis in Healthcare Organization): Findings and Outcomes." 2F1.04 Mackenzie Health Sciences Centre.



## CHEMICAL ENGINEERING

12 April, 3:30 pm

Soheila Karimi, "Interactions of Polynuclear Aromatic Hydrocarbons with Soil." 342 Chemical-Mineral Engineering.

## COMPUTING SCIENCE

8 April, 3 pm

M Tamer Ozsu, "Are Objects Real?" 2-115 Education North.

## ENTOMOLOGY

14 April, 4 pm

Dylan Parry, "The Impact of Parasitoids and Predators on Natural and Experimental Forest Tent Caterpillar (*Malacosoma disstria* Hübner) (Lepidoptera: Lasiocampidae) Populations." TB-W1 Tory Breezeway.

## EXTENSION AND UNIVERSITY TEACHING SERVICES

14 April, 12:30 pm

Jenny Preece, Open University, Milton Keynes, UK, "Doing Things Differently: A Realistic Vision of University Teaching and Learning Using Alternative Technologies and Methods." 2-42 University Extension Centre.

22 April, 12:30 pm

Terry Anderson, Alberta Distance Education and Training Association, "Doing Things Differently: A Realistic Vision of University Teaching and Learning Using Alternative Technologies and Methods." 2-42 University Extension Centre.

## GEOGRAPHY

8 April, 3 pm

Shucai Guan, "The Interrelationships Between Industrial Waste Energy and Rainfall." 3-36 Tory Building.

## GERMANIC LANGUAGES

8 April, 3 pm

Michael Langhorst, "Echoes of Goethe's *Lehrjahre* in Moerike's *Maler Nolten*." Senate Chamber, Arts Building.

## PERINATAL RESEARCH CENTRE

12 April, 9 am

Bryan Richardson, Departments of Obstetrics and Gynaecology, Physiology; assistant director, MRC Group in Fetal and Neonatal Health and Development, University of Western Ontario, "The Fetal Brain: Metabolic and Circulation Responses to Asphyxia." 2J4.02 Mackenzie Health Sciences Centre.

19 April, noon

Brian Koos, professor, Department of Obstetrics and Gynaecology, UCLA School of Medicine, "Adenosine and Fetal Responses to Hypoxia." 2J4.02 Mackenzie Health Sciences Centre.

## PHARMACY AND PHARMACEUTICAL SCIENCES

21 April, 3 pm

Vincent Lee, Gavin S Herbert Professor and Chairman, Department of Pharmaceutical Sciences, School of Pharmacy, University of Southern California, Los Angeles, "Peptide Transport Mechanisms in the Intestine and Airways." Sponsor: Alberta Heritage Foundation for Medical Research. 2031 Dentistry-Pharmacy Centre.

## PHYSICS

14 April, 12:30 pm

Suzanne Gill, "The Conservation Practices of Historical Cultures." 1-06 Agriculture-Forestry Centre.

## PLANT SCIENCE

14 April, 12:30 pm

Suzanne Gill, "The Conservation Practices of Historical Cultures." 1-06 Agriculture-Forestry Centre.

18 April, 1 pm

Wilf Keller, principal research officer, Plant Biotechnology Institute, National Research Council, Saskatoon, "Use of Genetic Engineering for the Improvement of *Brassica* Species." 1-06 Agriculture-Forestry Centre.

## RISK MANAGEMENT SEMINAR SERIES

8 April, 3:30 pm

Tee Guidotti, "Air Quality and Human Health: A Guide for the Perplexed." 2-27 Medical Sciences Building.

## RURAL ECONOMY

11 April, 3:15 pm

John Bryden, Winegard Alumni Visiting Professor, University of Guelph, and Research and Programme Director, The Arkleton Trust and Arkleton Research, UK, "Economic Adjustments on European Farm Households: New Evidence 1980-1990." 519 General Services Building.

## WOMEN'S PROGRAM


12 April, 3:30 pm

Shireen Lukudchedkar, director, Canadian Studies Programme, SNTD, Women's University, Bombay, "Feminist Writing in India." Cosponsor: Indo Canadian Women's Association. 2-47 Extension Centre.

## ZOOLOGY

8 April, 3:30 pm

David Wilcove, Environmental Defence Fund, Washington, DC, "Ecosystem Management, an Alternative to the Endangered Species Act?" M-149 Biological Sciences Centre.

 This symbol denotes environmentally-related seminars and events. If you wish to have an environmentally-related event listed in this manner, please contact: The Environmental Research and Studies Centre, 492-6659.

# Faculty of Science wants to increase its contacts with industrial world

## Industry-University interactions forum planned

The Faculty of Science is holding an all-day forum on industry-university interactions, 15 April, in the Stollery Centre.

According to the Dean of Science, Dick Peter, the forum will help lower the cultural barriers and allow researchers and industrial spokespeople to better understand one another's needs.

A number of key people from the business and scientific communities have been invited to attend. Rick LeLacheur, president

and CEO of Economic Development Edmonton, will speak on private sector funding mechanisms. Tony Noujaim, senior vice-president of Biomira Inc, will speak on Ideas to Industry: the Biomira Story. TRILabs President Glenn Rainbird will talk about the TRILabs story, and Gerry Bolton, Sherritt Inc Manager of Business Development External Technologies, will discuss industry perspectives.

Jim Murray, Director of the University's Intellectual Property and Contracts Office, will talk about fostering industry-university interactions. Leo Derikx, Director General (Targeted Research), Natural Sciences and Engineering Research Council, will explain university-industry programs.

Andrew Gilliland, regional director, Alberta and NWT, the Industrial Research Assistance Program, National Research Council of Canada, will speak about industry development support. And Gerry Tertzakian, executive vice-president, Raylo Chemicals, will speak on Industry: Accessing Minds in the University.

## New executive poised to lead Students' Union

The people have spoken: The Students' Union executive for the 1994-95 term is as follows: Suzanne Scott, President; Gurmeet Ahluwalia, Vice-President, Finance and Administration; Narmin Hassam, Vice-President, Internal; Kyle Kasawski, Vice-President Academic; and Garrett Poston, Vice-President, External.

The Scott-led team takes office 1 May.

## EVENTS

### MUSIC

#### DEPARTMENT OF MUSIC

8 April, 8 pm

Madrigal Singers Concert.

9 April, 8 pm

Master of Music Recital - Brent Pierce, composition.

10 April, 8 pm

University Symphony Orchestra Concert.

11 April, 8 pm

Stage Bands I and II Concert.

14 April, 8 pm

Master of Music Recital - Michael Coderre, composition.

17 April, 8 pm

Master of Music Recital - Kathleen Neudorf, soprano.

19 April, 8 pm

Doctor of Music Recital - Roger Admiral, piano.

All performances in Convocation Hall.

#### EDMONTON CHAMBER MUSIC SOCIETY

13 April, 8 pm

"The Boston Chamber Music Society."

Tickets available at The Gramophone or at the door. Information: 433-4532. Convocation Hall.

### THEATRE

#### STUDIO THEATRE

Until 9 April

"Serious Money" by Caryl Churchill.

Directed by Jim Guedo. Information and tickets: 492-2495. Myer Horowitz Theatre.

## POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

### ACADEMIC STAFF

#### POSTDOCTORAL FELLOW

**The position:** This is a grant-funded position to work in a multidisciplinary team investigating basic causes of congestive heart failure (CHF). A family of matrix metallo-proteins (MMPs) has been implicated in the structural and shape changes seen in CHF. The task of the successful applicant will be to identify which cells control the expression of MMPs in the development of CHF and how they are regulated.

**The individual:** Candidates should possess a PhD in a relevant scientific discipline and should have experience in a wide variety of molecular and cellular techniques. These should include RNA and DNA isolation and

analysis, cDNA preparation, PCR amplification, various isotopic labelling techniques and DNA hybridization methods. Some experience with *in vivo* experimentation and familiarity with computer application programs for data analysis, graphics and word processing would be an asset.

**Salary:** Starting salary commensurate with qualifications and relevant experience.

**Deadline for application:** 6 May 1994.

Interested applicants should provide a *curriculum vitae* and the names and addresses of three referees to: PW Armstrong, MD, Professor and Chair, Department of Medicine, University of Alberta, 2F1.30 Walter Mackenzie Centre, Edmonton, Alberta T6G 2R7.

#### SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. You can also call the Job Information Line at 492-7205 (24 hours) or consult the weekly *Employment Opportunities Bulletin*.



### ACCOMMODATIONS FOR RENT

**MICHENER PARK** - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. University enquiries welcome, 492-7044.

**OTTEWELL**, renovated two storey, four bedroom with delightful sunroom off living room. Formal dining room. Yard has fruit trees, large deck. Partially or furnished (negotiable). \$950. Western Relocation, 434-4629.

**LESSARD**, renovated townhouse. Students or professionals will enjoy proximity to amenities. Two bedrooms plus den. Rental incentives available. Western Relocation, 434-4629.

**GRANT MACEWAN** students or professionals call to view this delightful new townhouse condo. Jacuzzi, underground parking, appliances. Western Relocation Services, 434-4629.

**LEMARCHAND**, high style, executive condo. Two bedrooms plus den, furnished. August 1994 - August 1995. \$1,500/month. Western Relocation, 434-4629.

**MAY - JULY**, fully furnished three bedroom house 1 km south of University. New hardwood floors, totally new kitchen, garden. \$750/month. 492-5731, 438-7886.

**RIVERBEND**, executive four bedroom, two storey home. Appliances available. 1 May. Up to two-year lease negotiable. Khalida, 438-0621.

**SEPTEMBER - JUNE 1995**. Blue Quill, furnished, 1 1/2 storey, five bedrooms. Double garage, den, family/rec room, fireplace, six appliances. Close, elementary school, excellent bus service. Nonsmokers. Sabbatical. \$1,100 plus utilities. 988-9229, 492-4589.

**OLD STRATHCONA**, three bedroom furnished (\$750) or two bedroom unfurnished (\$650). Both main floor suites. Hardwood floors, utilities included. Immediately. 434-6287.

**CLOSE UNIVERSITY**, large, three bedroom fourplex. 1 May. \$650. 436-1048.

**PROFESSIONAL CONDOMINIUM**, seven appliances, two baths, air-conditioned. River view, large entertainment space, gym, hot tub, sauna, secure heated parking. Phone 452-0284.

**CARRIAGE WING** holiday in listed, Georgian building, complete accommodation, two bedrooms, overlooking River Tay, courtyard and lawns. Weekly rate \$500 Canadian. Anne Hill, 454-2848 (492-7770), or Dr Jennifer McQuaid-Cook, Allt Mor House, Strathay, Perthshire, Scotland, PH9 0LP. 011-44-887-840-424 from Canada.

**LARGE, EXECUTIVE**, four bedroom, four bathroom home. Near University, shopping, schools. Unfurnished, \$1,250 (all appliances included). Utilities extra. Nonsmokers, no pets. Two/three year lease. Available 1 July. 492-5813, 434-3941.

**SALE/RENT** - Central, ravine location, architect-renovated. Easy LRT access - University. Gourmet kitchen, master ensuite loft, fireplace, separate studio, fully fenced. \$149,900. Lease. \$925/month. Kids, pets, okay. Deposit, references. 421-2471 (daytime).

**ONE BLOCK FROM RAVINE**, ten minutes to University. Healthy hot water heated basement, two bedroom suite. All utilities included. Immediate availability. Terrace Heights. 466-4342.

**COZY TWO BEDROOM** house, main floor near 99 Street and Whyte Avenue. Steps

to buses, shopping and Old Strathcona. \$600. May. Some furnishings possible. 439-1358.

**GARNEAU**, one to three bedrooms in four bedroom house. Laundry, large kitchen, great location. \$281 plus utilities. May. 492-0832 (day), 431-1236 (evening).

**SASKATCHEWAN DRIVE**, condominium sublet, 1 June - 30 August. Fully furnished, one bedroom, two baths and office. 15 minutes to University. \$700. References required. 439-9087 evenings.

**GARNEAU** - four bedrooms, 2 1/2 bathrooms, five appliances, developed basement in a fully renovated character home. Minutes from University and Old Strathcona. Available 1 May for up to 2 1/2 year lease. \$1,700/month plus utilities. 439-5939.

**SEASONAL RENT** - Cottage in Eagle Bay, B.C. on shore of Shuswap Lake. Sleeps five. Nonsmokers, no pets. \$600/week, \$50 extra with hot tub. 458-2225.

**OXFORD** - Share, modern, three bedroom, fully equipped semi with historian and two cats. Ideal for summer or sabbatical research. Nonsmoker. 250 pounds/month, 1/2 bills. Elaine, (865) 741313 or CHALUS@UK.AC.Oxford.VAX.

**SASKATCHEWAN DRIVE** - rare licensed, three bedroom apartment, minutes from University. Own front door, phone, garage. Sauna, laundry shared. Available to right person(s) immediately. Dr Clayre, 424-4600 days, 439-0537 evenings.

**WALK TO UNIVERSITY**, 1 May. Four bedroom house, four appliances, \$1,100/month. 487-1862.

**VANCOUVER** is one hour from this furnished, four bedroom, modern house on Bowed Island. Water view, beach access, five appliances, fireplace. Late August or September through June. Nonsmokers, no pets. \$950 monthly. 439-0233.

**FOR 1 MAY**, older, three bedroom, furnished bungalow. Hardwood floors, parking, washer, dryer, shared kitchen. Walk to University of Alberta. \$300/month plus shared utilities. \$150 deposit. Phone Joan Yates, 437-1150.

**WINDSOR PARK**, two bedroom bungalow, quiet, well-treed lot. \$900 plus utilities. John, 492-0353, Joan, 438-5022.

**BLUE QUILL** executive, five bedroom, double garage, six appliances. 1 May. \$1,100. 430-6767 after 6 pm.

### ACCOMMODATIONS FOR SALE

**VICTORIA PROPERTIES** - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 595-3200, Lois Dutton, Re/Max ports west, Victoria, B.C.

**VANCOUVER ISLAND** - Parksville, Qualicum, NanOOSE and areas. Experienced realtor: prompt replies to enquiries. John Richardson, Sutton Group Whitecap Realty, Box 596, Parksville, B.C. V9P 2G6. (604) 248-8801 phone, (604) 248-8084 fax.

**NEAR UNIVERSITY**, new semi-detached, over 1,800'. Attached garage, fireplace, three bathrooms, deck, all levels developed. Master bedroom on separate level. More details, please call Luke, NRR Realty, 448-6000.

**PRICE JUST REDUCED!** On this 1,200', two bedroom, river valley condo. Two balconies, two baths, underground parking and walking access to all valley amenities. Now \$89,900! Brad Hannah, Spencer Realty, 483-7170.



NEAR UNIVERSITY - Home building lots for sale. Hindle Realty, 433-4101.

UNIVERSITY DISTRICT - 7935 111 Street. Three bedroom, two storey, with large country kitchen, family room - open hearth - jacuzzi - ensuite. Double garage and more. Hindle Realty, 433-4101.

OTTEWELL - Ten minutes/University. Executive, large, four level split, three bedrooms up, one down. Family room, study, sunken living room, fireplace, vaulted ceilings, window coverings, upgraded kitchen/bath, Jennair stove, frost-free fridge, dishwasher, garburator, air-conditioned. Large yard, double garage/opener. \$170,000. 466-4342.

JASPER AREA cabin for sale. Gregg Lake, two fireplaces, lakefront, power, water, propane. \$184,900. 430-6867 evenings, 436-2255 days.

SALE BY OWNER! Executive, 2,400' custom-built home. Includes finished basement, two fireplaces, two double heated garages, four plus one bedrooms, h/w heating and too many other features to list. 10725 72 Avenue. 955-3051. Immediate possession.

TREED WALKWAY behind this classy Riverbend 3,000' two storey home. Modern, white, 20-foot kitchen, triple garage, family room plus den. Liz Crockford, Spencer Realty, 435-0808.

LANDSDOWNE NEW LISTING! Newer European kitchen, hardwood flooring, south backyard, tile roof, maintenance-free exterior. Two storey design. Liz Crockford, Spencer Realty, 435-0808, 434-0555.

ATTRACTIVE, English-style, two storey house. Three bedrooms, dining room, living room, family room, 2 1/2 baths, large lot, double garage. Located in a quiet cul-de-sac in Woodvale. Asking \$137,500. Philip Raworth, 492-5345, 468-4998.

OLD STRATHCONA, two storey, 1,900' unique three bedroom, and three in finished basement. Nicely renovated. Ron, Metro City, 439-3300.

OLD RIVERBEND, great location. Four bedroom, two storey, family home. Family room, fireplace, 2 1/2 baths, deck, attached double garage, mature landscaping. \$199,900. 4724-139 Street. By owner. 436-4313.

SALE/OWNER - Ermineskin, immaculate, three plus two bedroom bungalow. Quiet neighbourhood, 2 1/2 baths, finished basement, big detached double garage. Minutes away from University and shopping centres. \$136,900. 434-7835.

#### ACCOMMODATIONS WANTED

HOUSESITTING job wanted. Responsible, professional, female, 31 years, wanting to housesit for six to twelve months. Available 25 April 1994. Prefer vicinities of Old Strathcona, University of Alberta, or Mill Creek. References available. Call Annette, evenings, 283-8006 (Calgary).

#### GOODS FOR SALE

CASH PAID FOR APPLIANCES - 432-0272.

#### SERVICES

DONNIC WORD PROCESSING - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

HEARTWOOD RENOVATIONS - Complete interior renovations. Specializing in basements, bathrooms, kitchens. Count on us for all your home repairs. References available. Phone Dennis Ellerman, 466-5941.

DAVID RICHARDS CARPENTRY - Certified journeyman NAIT. Complete interior/exterior residential and commercial renovations including plumbing/electrical. References available. 436-6363.

TECH VERBATIM - Word processing, résumés, theses, medical terminology. Donna, 440-3714.

MARK EHRMAN CABINET SERVICES - Custom designs or made to match existing. References available. 463-0889.

BRITAIN, IRELAND, France, Italy, Spain, Portugal, Norway. Furnished cottages, villas, apartments. Weekly rental. Hearstone Holidays, Box 68085, #70 Bonnie Doon Mall, Edmonton T6C 4N6. Phone (403) 465-2874, fax (403) 468-5517.

ATLAS JANITORIAL SERVICES LTD - Customer satisfaction guaranteed. Professional cleaning services, commercial, residential carpet cleaning. Free estimates. Insured, bonded. 24-hour service. 472-7716.

ALLALTA CONTRACTING LTD - Complete drywall services, commercial, residential, new Westroc Cove now available. Stanley, 472-7342.

PRIORITY PET CARE - Do you love your pet? Professional petsitting in your home. Plant and mail service included. References, bonded and insured. Call Tracy, 448-2751.

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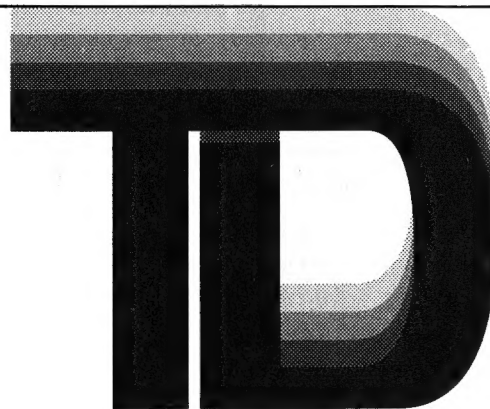
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